

File Scrub Trusted Copy and File Scrub Software Download and Installation Instructions for Solaris

Before you can download File Scrub or File Scrub Trusted Copy, you must submit the Conditions of Use form from the File Scrub Web site Download page. You will receive a confirmation of eligibility and a file, `FileScrubKey.ser`.

Warning: If you have File Scrub's predecessor software, MPTC, and/or the MPTC Decryption Tool, installed on your computer, we highly recommend that you uninstall both applications **before** you install File Scrub. Please see the Uninstall instructions in `MptcSolarisInstructions.pdf` available at <http://mptc.lanl.gov/downloads.shtml>.

Configuration File Note: If you have an existing configuration file from MPTC that you spent considerable time editing, save it to a location on your computer other than the MPTC installation location before you uninstall MPTC. You can copy your path information and external tools list from the MPTC configuration file to the File Scrub configuration file.

Before running File Scrub, you MUST download the necessary JRE patch cluster provided by Sun Microsystems from the following link:

<http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/patch-access>

Note: File Scrub requires your display monitor to be set at 24-bit color depth. Contact your local system administrator for assistance with this setting.

Note: Do not install File Scrub Trusted Copy or File Scrub as root.

The installation wizards can be very slow in initializing. Please be patient.

Downloading and Installing File Scrub Software

Obtain the Three Required Files

- 1. Save the `FileScrubKey.ser` file.**

Put the `FileScrubKey.ser` file (which you received in the eligibility email as a result of submitting the Conditions of Use form) on the host computer upon which you will be installing the File Scrub software application. Remember its location.

- 2. Download the File Scrub Decryption Tool Setup File.**

Download `FileScrubDecryptionToolSolarisSetup` to a temporary location on the host computer. Remember its location.

- 3. Download the File Scrub Encrypted Setup file.**

Download `FileScrubSolarisSetup.enc` to a temporary location on the host computer. Remember its location.

Note: The `FileScrubSolarisSetup.enc` file contains the encrypted

File Scrub installation software. It is used as input for the File Scrub Decryption Tool.

Install the File Scrub Decryption Tool

4. From a terminal window, navigate to the directory where you put the FileScrubDecryptionToolSolarisSetup file in Step 2, **Download the File Scrub Decryption Tool Setup File** (above).
5. At the command prompt, type

```
chmod +xr FileScrubDecryptionToolSolarisSetup
```

At the return prompt, type

```
./FileScrubDecryptionToolSolarisSetup
```

The InstallShield Wizard will launch.
Following the prompts, place the File Scrub Decryption Tool in the recommended location, \$HOME/FileScrubDecryptionTool10.
6. At the end of the File Scrub Decryption Tool installation, you will be asked **Do you want to execute the FileScrubDecryptionTool now?**
 - Select **No** if you do not want to proceed at this time. A new window with a Finish button appears. Later, you can launch the Tool by following the steps below under **Run the File Scrub Decryption Tool**.
 - Select **Yes** if you are ready to launch the tool, and click on the Next button. The File Scrub Decryption Tool will be executed.
7. After the File Scrub Decryption Tool window appears, click on the Finish button in the lower right corner of the File Scrub Decryption Tool Installation window to close the wizard. The File Scrub Decryption Tool Version 1.0 window will remain open.

Continue with Step 9 under **Run the File Scrub Decryption Tool** (below).

Run the File Scrub Decryption Tool

8. From a terminal window, navigate to the directory where you installed the File Scrub Decryption Tool.
At the command prompt, type

```
./FileScrubDecryptionTool.sh .
```
9. Following the directions on the Graphic User Interface (GUI), browse to the required paths for the .enc and .ser files.
10. Click on the Decrypt button.
Please be patient; depending on your system, the decryption process can be lengthy.
The name and location of the decrypted **output** file,

FileScrubSolarisSetup, will fill the previously blank field when the decryption is complete. This is the file that is used to run the installation wizard for the File Scrub software. (The decrypted installation file is written to the same location as the encrypted **input** file, FileScrubSolarisSetup.enc.)

11. Run the File Scrub InstallShield Wizard by selecting the Launch File Scrub Setup Wizard button and following the prompts.
12. After the FileScrub Install window appears, click on the Finish button in the lower right corner of the File Scrub Decryption Tool window to close the tool. The FileScrub Install window will remain open. Continue with Step 15 under **Install File Scrub** (below).

If you choose not to run the File Scrub InstallShield Wizard via the Launch File Scrub Setup Wizard button, you can exit the File Scrub Decryption Tool now at the File > Exit menu. Later, you can install the File Scrub software by following the instructions below in **Install File Scrub**.

Install File Scrub

13. From a terminal window, navigate to the directory where FileScrubSolarisSetup is located (see Step 10 under **Run the File Scrub Decryption Tool**, above).
14. At the command prompt, type

```
./FileScrubSolarisSetup
```

The installation wizard will launch.
15. Follow the prompts and select File Scrub or File Scrub Trusted Copy to install.

The default installation location for the File Scrub software is \$HOME/FileScrub10 (or FileScrubTrustedCopy10). It is recommended that you use the default location.
16. At the end of the File Scrub installation process, you will be asked **Do you want to run File Scrub, Version 1.0 (or File Scrub Trusted Copy, Version 1.0) now?** Select **No** if you do not want to proceed at this time, and click on the Next button. A new window with a Finish button appears. You may exit the installation wizard when the Finish button is selectable. Later, you can run File Scrub by following the instructions below in **Run File Scrub**.
17. If you select **Yes** to run File Scrub now, click on the Next button. After the File Scrub Welcome window appears, click on the Finish button in the lower right corner of the installation wizard to close the wizard. The File Scrub Welcome window will remain open.

File Scrub Configuration File

A default configuration file is included in the distribution. This configuration file, `Config`, is copied to your hard drive during the installation process. It is located in the directory where you installed File Scrub.

Editing the New Version 1.0 Configuration File

1. Using an ASCII text editor, open the newly installed configuration file.
2. Edit the path names in the new configuration file to reflect appropriate paths and external tools for your computer.
3. Save the file.

Run File Scrub

1. From a terminal window, navigate to the directory where File Scrub 1.0 was installed.
2. At the command prompt, type

```
./FileScrub.sh           (review only)
```

```
./FileScrubTC.sh        (trusted copy)
```

File Scrub will load.

Note: The binaries used by File Scrub to perform CD writing on Solaris must be SUID root in order to access the SCSI driver that controls the drive. This permissions update requires administrative privileges. A script is included in the installation to change the permissions of the appropriate binaries.

3. As root, cd to the FileScrub10(or FileScrubTrustedCopy10) directory.
4. At the command prompt, to update the permissions, type

```
./perm-fixer.sh
```

The permissions can also be updated manually by running the following commands:

```
# cd FileScrub10(or FileScrubTrustedCopy10)
# chmod root ./3rdparty/NativeUtilities/cdrecord
# chown root ./3rdparty/NativeUtilities/readcd
# chmod 4755 ./3rdparty/NativeUtilities/cdrecord
# chmod 4755 ./3rdparty/NativeUtilities/readcd
```

Uninstalling the Decryption Tool (Optional)

Once you have installed and launched File Scrub Trusted Copy or File Scrub 1.0, remove the File Scrub Decryption Tool Version 1.0 software from your computer.

It is imperative that you use the InstallShield Uninstaller. If you remove the install location manually without running the uninstaller, there is no way to remove this information from the VPD short of deleting the VPD on that machine.

1. From a terminal window, navigate to the parent directory of the

FileScrubDecryptionTool10 installation.

2. At the command prompt, type

```
./FileScrubDecryptionTool10/uninstall/FileScrubDecryptionToolUninstall.bin
```

3. Follow the prompts.

Note: After uninstall is completed, in the terminal window, you may see something similar to the following:

```
cat: /tmp/istemp6828060135308/chunk2: No such file or directory
rm: cannot remove `/tmp/istemp6828060135308/chunk1': No such file or directory
rm: cannot remove `/tmp/istemp6828060135308/chunk2': No such file or directory
```

These messages do not affect the File Scrub Decryption Tool uninstall process.

4. At the command prompt, type

```
rm -rf FileScrubDecryptionTool10 (or the directory where it was installed)
```

This command will remove any files that may have been left behind during the uninstall process.

Uninstalling File Scrub

It is imperative that you use the InstallShield Uninstaller. If you remove the install location manually without running the uninstaller, there is no way to remove this information from the VPD short of deleting the VPD on that machine.

1. From a terminal window, navigate to the parent directory of the FileScrub10(or FileScrubTrustedCopy10) installation.

2. At the command prompt, type

```
./FileScrub10(or FileScrubTrustedCopy10)/uninstall/FileScrubUninstall.bin
```

3. Follow the prompts.

Note: After uninstall is completed, in the terminal window, you may see something similar to the following:

```
cat: /tmp/istemp6828060135308/chunk2: No such file or directory
rm: cannot remove `/tmp/istemp6828060135308/chunk1': No such file or directory
```

rm: cannot remove `/tmp/istemp6828060135308/chunk2' : No such file or directory

These messages do not affect the File Scrub uninstall process.

4. At the command prompt, type

```
rm -rf FileScrub10(or FileScrubTrustedCopy10) (or the
directory where it was installed)
```

This command will remove any files that may have been left behind after the uninstall process.

Note: Leave the cleansed and logfile folders that are in your <userhome>/FileScrub folder/directory, as they have your previously reviewed files and logs. You may remove the Config file if you do not have custom settings you want to keep for another File Scrub installation. You can delete any remaining files.

File Scrub Support

File Scrub Security Specialist

505-667-2975

filescrub@lanl.gov